Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/23/2019 10:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126054	0	2.02	126141	1.97
Blue	F	SSC	125000	125295	0	1.56	126121	1.52
Blue	E	FITC	16433	16156	-2	2.73	351	19.73
Blue	D	PE	27595	27428	-1	1.97	598	14.94
Blue	B	PerCP-Cy5-5	43183	42752	-1	3.66	1148	19.85
Blue	A	PE-Cy7	31943	32300	1	6.00	622	40.57
Red	C	APC	42819	42329	-2	2.37	1498	12.12
Red	A	APC-Cy7	31261	30405	-3	2.29	811	11.84
Violet	B	V450	6527	6337	-3	4.43	355	13.22
Violet	A	V500	24533	23728	-4	4.18	552	10.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18233	9.65	611	11	N/A	N/A	Pass
Blue	F	SSC	57034	1.13	553	5	N/A	N/A	Pass
Blue	E	FITC	63	60.01	540	1	0.0196	28	Pass
Blue	D	PE	125	48.23	537	3	0.1437	204	Pass
Blue	B	PerCP-Cy5-5	214	48.03	647	5	0.0095	48	Pass
Blue	A	PE-Cy7	116	98.20	696	7	0.0108	9	Pass
Red	C	APC	357	25.37	581	-2	0.0244	160	Pass
Red	A	APC-Cy7	180	28.66	560	-3	0.0057	1095	Pass
Violet	B	V450	54	59.82	454	-1	0.0520	2133	Pass
Violet	A	V500	82	32.76	465	-2	0.0222	574	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.53	-31.78	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.44	13.60 - 20.40	N/A	N/A	29.00	29.79	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11283

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments